

Debug the Bot - Fault Chart

Find the row that matches every Test in the YES and NO rows. The bot starts switched on and plugged into USB.

FAULT	A · Light Switch it on. Does the status light glow?	B · Clap Clap once. Does it beep back?	C · Drive Press GO. Do the wheels turn?	D · See Hold up a red card. Does the screen say RED?	E · Wall Press GO facing a wall. Does it drive, then stop before it bumps?	F · Unplug Pull out the USB cable. Does the status light stay on?	G · Wait Press GO and wait. Does it drive, then stop by itself after 10 seconds?	H · Repeat Show the red card twice. Does it say "again!" out loud?	I · Charge Plug the USB cable back in. Does the charge light come on?
POWER									
F-01 Dead battery	YES	YES	YES	YES	YES	NO	YES	YES	YES
F-02 Blown fuse	NO	NO	NO	NO	NO	NO	NO	NO	NO
F-03 Broken USB cable	YES	YES	YES	YES	YES	YES	YES	YES	NO
SENSE									
F-04 Cracked camera	YES	YES	YES	NO	YES	YES	YES	NO	YES
F-05 Deaf microphone	YES	NO	YES	YES	YES	YES	YES	YES	YES
F-06 Blind distance sensor	YES	YES	YES	YES	NO	YES	YES	YES	YES
THINK									
F-07 Stuck timer	YES	YES	YES	YES	YES	YES	NO	YES	YES
F-08 Wiped memory	YES	YES	YES	YES	YES	YES	YES	NO	YES
F-09 Frozen program	YES	NO	NO	NO	NO	YES	NO	NO	YES
ACT									
F-10 Jammed wheels	YES	YES	NO	YES	NO	YES	NO	YES	YES
F-11 Broken speaker	YES	NO	YES	YES	YES	YES	YES	NO	YES
F-12 Dead screen	YES	YES	YES	NO	YES	YES	YES	YES	YES